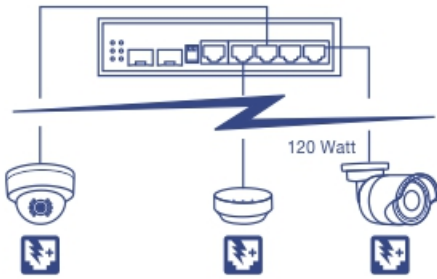# TRENDnet®

6-Port Hardened Industrial Gigabit PoE+ DIN-Rail Switch
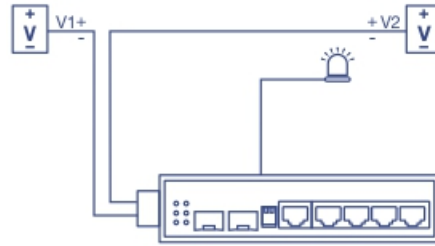
TI-PG62 (v1.0R)

- 4 x Gigabit PoE+ ports
- 1 x shared Gigabit port (RJ-45 / SFP)
- 1 x dedicated SFP slot
- 120 Watt power budget
- 12 Gbps switching capacity
- Hardened IP30 rated metal switch
- Includes wall and DIN-rail mounts
- Extreme -40 to 75 ℃ (-40 to 167 ℉) operating temperature range
- Dual redundant power inputs with overload current protection
- Alarm output triggered by power failure
- Power supply sold separately (models: 48VDC3000 / TI-S24048 / TI-S12048)

TRENDnet's TI-PG62 is a reliable IP30 unmanaged DIN-rail PoE+ switch with a rugged housing rated for extreme industrial environments. It offers 4 Gigabit PoE+ ports, one shared Gigabit port (RJ-45 / SFP), one dedicated SFP slot, and a 12 Gbps switching capacity. Dual redundant power inputs and a power failure alarm relay.

PoE Power

A 120 Watt PoE+ power budget supplies up to four Power over Ethernet devices with PoE+ power.
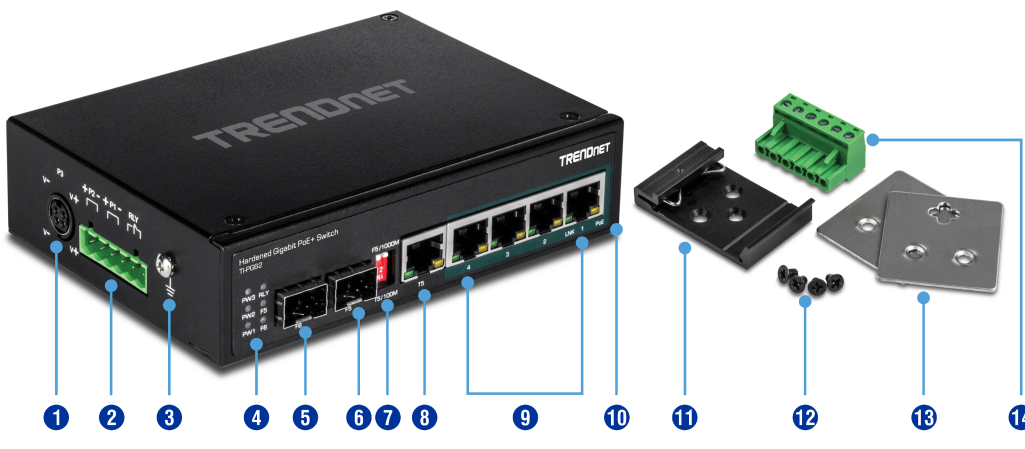
Fault Tolerance

Features dual redundant power inputs (Primary and RPS) from external power sources and an output alarm relay to indicate the event of input power failure.

Industrial Hardened Design

Equipped with a rugged IP30 rated enclosure and designed to withstand a high degree of vibration, shock, protection against ESD / EMI / surge, and operate with a wide temperature range (- 40 – 75 °C (- 40 - 167 °F)) for harsh environments.

Networking Solution

1. AC power port
2. Terminal slot for DC power
3. Grounding point
4. LED indicators
5. Gigabit SFP slot
6. Shared Gigabit SFP slot
7. Dip switches
8. Shared Gigabit port
9. Gigabit PoE+ ports
10. IP30 rated metal housing
11. Din-rail mount
12. Screws
13. Wall mount kit
14. Terminal block

TRENDnet®

Network Ports
4 x Gigabit PoE+ ports, 1 x shared Gigabit port (RJ-45 / SFP) and 1 x dedicated SFP slot

DIN-Rail / Wall Mounts
IP30 rated metal enclosure with included DIN-rail and wall mount hardware

Switching Capacity
12 Gbps switching capacity

Redundant Power
Dual redundant power inputs with overload current protection (power supply sold separately models: 48VDC3000 / TI-S24048 / TI-S12048)

Alarm Relay
Alarm relay triggered by power failure of primary and / or redundant power

Jumbo Frame
Sends larger packets, or Jumbo Frames (up to 9 KB), for increased performance

Extreme Temperatures
Hardened switch is rated for an operating temperature range of -40 to 75 ºC (-40 to 167 ºF)

Electro Magnetic Compliance
Complies with FCC Part 15 Subpart B Class A and CE EN 55022 Class A standards

Certifications
Rated for information technology (ITE) equipment (EN55022 / 24); industrial, scientific, and medical (ISM) Equipment (EN55011)

Shock and Vibration Resistant
Rated for shock (IEC 60068-2-27), freefall (IEC 60068-2-32), and vibration (IEC 60068-2-6)

Grounding Point
Grounding point protects equipment from external electrical surges

TRENDNET®

Specifications

Standards
- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3ab
- IEEE 802.3z
- IEEE 802.3x
- IEEE 802.3af
- IEEE 802.3at

Device Interface
- 4 x Gigabit PoE+ ports
- 1 x Shared Gigabit port
- 1 x Shared SFP slot
- 1 x Dedicated SFP slot
- 6-pin removable terminal block
- LED indicators
- DIP switch
- DIN-Rail mount
- Wall mount
- Grounding point

Data Transfer Rate
- Ethernet: 10 Mbps (half duplex), 20 Mbps (full duplex)
- Fast Ethernet: 100 Mbps (half duplex), 200 Mbps (full duplex)
- Gigabit: 2000 Mbps (full duplex)

Performance
- Data RAM Buffer: 128 KB
- Switching Fabric: 12 Gbps
- MAC Address Table: 1 K entries
- Jumbo Frame: 9 KB
- Forwarding rate: 8.9 Mpps (64-byte packet size)

Special Features
- Hardened components rated for extreme temperatures
- Dual redundant power inputs
- Auto-Negotiation
- Auto store and forward architecture
- Automatic address learning and address aging

DC Power
- Input: 48 - 56 V DC
- Compatible power supply: TI-S12048 (sold separately)
- Consumption: Max. 5.76 Watts (no PoE)

AC Power
- Input: 100 - 240 V AC, 50/60 Hz, 2 A
- Compatible power adapter: 48VDC3000 (sold separately)
- Output: 48V DC, 3.34 A 160 W max.

PoE
- PoE budget: 120 Watts

Terminal Block
- Redundant power inputs, alarm relay contact, 6 pin
- Wire range: 0.34 mm^2 to 2.5 mm^2
- Solid wire (AWG): 12-24/14-22
- Stranded wire (AWG): 12-24/14-22
- Torque: 5 lb. – In / 0.5 Nm / 0.56 Nm
- Wire strip length: 7-8 mm

DIP Switch
- 1: OFF (port 5 SFP on, default), ON (port 5 SFP off)
- 2: OFF (SFP 1000M, default), ON (SFP 100M)

Alarm Relay Contact
- Relay outputs with current carrying capacity of 1A, 24V DC
- Open circuit mode when two power sources are connected
- Short circuit mode when only one power source is connected

MTBF
- 460,304 hours

Housing
- IP30 metal case
- DIN-rail mount
- Wall mount
- Grounding point
- ESD Protection: Contact: 6kV / Air: 8kV
- Surge Protection: 2kV

Operating Temperature
- - 40 to 75 °C (-40 to 167 °F)

Operating Humidity
- Max. 95 % non-condensing

Dimensions
- 143 x 105 x 36 mm (5.6 x 4.1 x 1.4 in.)

Weight
- 500 g (1.1 lb)

Certifications
- CE
- FCC
- Shock (IEC 60068-2-27)
- Freefall (IEC 60068-2-32)
- Vibration (IEC 60068-2-6)

Warranty
- Limited Lifetime Warranty*

Package Contents
- TI-PG62
- Quick Installation Guide
- Removable terminal block
- DIN-rail and wall mount kit